

Communication Theory Technical Committee Meeting

ICC 2000

June 20, 2000

Hyatt Regency, New Orleans, LA

1. The meeting was called to order at 5:33 PM.
2. Meeting attendees introduced themselves.
3. There was an announcement that our member and past chairman Joseph LoCicero received the 1999 IEEE Communications Society Publications Exemplary Service Award during the Awards Luncheon at ICC 2000. The award was granted "For Outstanding Service to the IEEE Transactions on Communications as Editor-in-Chief and Publications Editor."
4. Conference Reports

ICC 2000 (New Orleans, Louisiana, 6/18-6/22) (S. Gelfand)
The report by our representative Saul Gelfand was read. The organization of ICC 2000 went through some difficulties. First, the originally assigned representative for the regular conference reported right before session finalization at GLOBECOM'99 that he will not be able to fulfill his duties due to health problems. Saul Gelfand, our chair for the Communication Theory Symposium filled in, obtained reviews, and formed sessions for the regular conference as well. Ender Ayanoglu specifically thanked him for filling in at the last minute. Also, there were technical problems with the electronic review process for the conference as a whole.

Despite all this, our committee did not face further problems. The Communication Theory Symposium included 9 sessions (the largest number among all Symposia) and 1 tutorial:

- MNC01 Equalization and Sequence Estimation (7 papers)
- MNC02 Fading Channels (5 papers)
- MNC03 Space-Time Coding and Processing (5 papers)
- MNC04 Synchronization (7 papers)
- MNC05 Turbo Codes and Iterative Decoding (8 papers)
- MNC06 Detection and Estimation (7 papers)
- MNC07 Multiuser Detection and Interference Suppression
(7 papers)
- MNC08 Coding and Coded Modulation (8 papers)
- MNC09 CDMA (7 papers)

Tutorial:

Turbo Codes, Sergio Benedetto

The committee-sponsored sessions in the regular conference were:

- S21 OFDM and Multicarrier Systems (6 papers)
- S26 Multiple Access Techniques (6 papers)
- S31 Adaptive Channel Estimation and Equalization (7 papers)

All the sessions were well-attended, especially MNC03.

General comments regarding ICC 2000:

- There were fewer conference registrations (about 900) than normal, probably due to the close scheduling of ICC 2000 and ISIT conference in Italy. Some members requested that this should be avoided in the future.
- The conference proceedings were the same for both the regular

conference and symposia. There was a question on this practice (in the past Communication Theory Mini-Conferences had separate volumes). Many members felt the existing practice was to our benefit, because it makes the papers more accessible.

GLOBECOM 2000 (San Francisco, California, 11/27-12/1) (M. Win and A. Goldsmith for CT Symposium, and G. Chrisikos for regular conference) Moe Win provided a summary report. There will be 9 sessions for the Communication Theory Symposium, and 2 committee-sponsored sessions in the regular conference:

Communication Theory Symposium

- OFDM (2 sessions)
- CDMA (2 sessions)
- Turbo and Iterative Decoding
- Coding
- Fading and Diversity (2 sessions)
- Multiple Antennas

Regular Conference

- Modulation and Coding
- Space-Time Coding and Processing

Four of the sessions will have 8 papers, pending afternoon time slots being approved.

There were 264 total communication theory related submissions, 70 of which were accepted, and 18 of which were "border line" papers saved.

ICC 2001 (Helsinki, Finland, 6/11-6/15) (S. Benedetto and K. B. Letaif for CT Symposium, and R. Prasad for regular conference) Ramjee Prasad reported that the conference will accept 436 papers to form a total of 62 sessions. There should be at least 6 sessions for the Communication Theory Symposium and 4 committee-sponsored sessions in the regular conference. There will be 24 tutorials along with system applications sessions and workshops. The deadline for paper and tutorial submission is September 1, 2000.

Sergio Benedetto added that there will be 9 symposia, one of which will be held in St. Petersburg, Russia (with live broadcast in English). The review process will take place during September and October to provide first-round decisions by the beginning of November. The final decisions will be made at GLOBECOM 2000. The Symposium technical program chairs are seeking about 12 to 14 volunteers to help review papers and organize sessions (see recent broadcast message from Sergio Benedetto and Khaled Ben Letaief). Volunteers should send email including a short CV and areas of expertise to benedetto@polito.it, with copy to eekhaled@ee.ust.hk.

GLOBECOM 2001 (San Antonio, Texas, 11/25-11/29) (A. Salkintzis and Ayman Naguib) Ender Ayanoglu, who attended the first preparation meeting for GLOBECOM 2001, stated that he requested of this committee a Communication Theory Symposium be organized during this conference. A final decision was not made. Apostolis Salkintzis gave the remaining report. The theme of GLOBECOM 2001 will be evolution of technologies, with emphasis on business applications. Topics of interest include all-IP networks and convergence of telephony and IP.

Hikmet Sari, who attended the GICC meeting, cautioned that the Technical Program Chair for GLOBECOM 2000 has little knowledge about GLOBECOM and ICC. Many members feel that our committee should voice our opinion regarding this issue and pass it to other committee chairs.

ICC 2002 (New York City, New York) Mark Karol will be the Technical Program Chair.

MILCOM (G. Saulnier) Information received from our standing MILCOM rep, Gary Saulnier, was read. Our committee will sponsor

10 sessions at MILCOM 2000 (Los Angeles, CA, 10/22-10/25):

- Space-Time Coding
- OFDM and Multicarrier Systems
- Advanced Modulation Techniques
- Spread Spectrum Techniques I and II
- Synchronization Techniques
- Equalization and Anti-Jam Techniques
- Tactical CDMA Communications
- Mobile and Wireless Communications
- Turbo Codes

Any other volunteer as MILCOM rep is welcome.

5. Workshop Reports

Workshop 2000 (Grenelefe Resort, Florida, 5/7-5/10) (D. Schilling, R. Pickholtz, and K. Dominiak) Ender reiterated that the technical program was excellent. We received many positive and constructive feedback comments (see recent 5/28 meeting minutes). Some members would like to see more interactions between the speakers and attendees, and more junior people attending the workshop.

Workshop 2001 (La Casa Del Zorro Desert Resort, California, 4/29-5/2) (S. Miller and C. Georghiades) Scott Miller reported that the site had been selected and a contract was being signed by the IEEE (update from Scott on 7/25 - the contract has been signed!). There will be a web page set up with all the information about the site available. This site accommodates up to 95 participants (overflow available); so please sign up early.

6. Announcements

- Hikmet Sari announced that ICC 2004 will be in Paris, France. He also announced the 2nd International Symposium on Turbo Codes & Related Topics to be held in Brest, France, on September 4-7, 2000. Our committee officially sponsors this Symposium.
- Summary of the TAC (Technical Activities Council) meeting:
 - * The Personal Communications and Radio Committees requested to change their committee names, both to "Wireless Communications." The ComSoc is in the process of coming up with a solution.
- Peter McLane asked the members to support the election of Larry Milstein to President-Elect of ComSoc.

7. The minutes of the GLOBECOM'99 meeting of the Committee were approved.

8. The meeting adjourned at 6:44 PM.